

Attorney Docket No.: J3651(C)  
Serial No.: 10/506,374  
Filed: September 2, 2004  
Confirmation No.: 1186

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listing of claims in the application.

#### **Listing of Claims:**

Claim 1 (Currently Amended) A hair treatment composition comprising

i) a polymer comprising an ABA block copolymer, wherein the A blocks are polyacrylate blocks or polymethacrylate blocks having units selected from methyl acrylate, methyl methacrylate, methyl ethacrylate, ethyl acrylate, ethyl methacrylate, ethyl ethacrylate, n-butyl acrylate, n-butyl methacrylate, n-butyl ethacrylate, 2-ethylhexyl acrylate, 2-ethylhexyl methacrylate, 2-ethylhexyl ethacrylate, N-octyl acrylamide, 2-methoxyethyl acrylate, 2-hydroxyethyl acrylate, N,N-dimethylaminoethyl acrylate, N,N-dimethylaminoethyl methacrylate, acrylic acid, methacrylic acid, 2-hydroxyethyl acrylate, 2-hydroxyethyl methacrylate and mixtures thereof and the B block is a poly(ethylene glycol), and

ii) a cosmetically acceptable diluent or carrier, and

iii) propellant.

wherein the hair treatment composition is a hair styling product in the form of a hair spray or mousse, and is packaged in a ~~pump spray~~, an aerosol, or ~~pump aerosol~~ container and is labelled for use in styling hair and wherein each A block of the polymer is connected to the B block by a divalent linker group.

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Claim 2 (Currently Amended) A hair treatment composition comprising

- i) a polymer comprising an ABA block copolymer wherein the A blocks of the polymer are poly(aminoalkyl methacrylate) blocks having alkylamino groups derived from moieties selected from the group consisting of C<sub>1-40</sub> straight chain, C<sub>3-40</sub> branched chain or C<sub>3-40</sub> carbocyclic moieties, wherein each A block of the polymer is connected to the B block by a divalent linker group, and wherein the B block is a poly(ethylene glycol), and
- ii) a cosmetically acceptable diluent or carrier, and
- iii) propellant.

wherein the hair treatment composition is in the form of a hairspray or mousse, and is packaged in a ~~pump-spray~~, an aerosol, or ~~pump-aerosol~~ container and is labelled for use in styling hair.

Claim 3 (Currently Amended) A hair treatment composition comprising

- i) a polymer comprising an ABA block copolymer wherein the A blocks of the polymer are poly(2-(dimethylamino)ethyl methacrylate) blocks, wherein each A block of the polymer is connected to the B block by a divalent linker group, and wherein the B block is a poly(ethylene glycol), and
- ii) a cosmetically acceptable diluent or carrier, and
- iii) propellant.

wherein the hair treatment composition is a hair styling product in the form of a hairspray or mousse, and is packaged in a ~~pump-spray~~, an aerosol, or ~~pump-aerosol~~ container and is labelled for use in styling hair.

Claim 4 (Cancelled)

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Claim 5 (Currently Amended) The hair treatment composition as claimed in Claim 42, wherein the divalent linker group is a carbonylalkylene group containing from 2 to 7 carbon atoms which forms an ester linkage to the B block.

Claim 6 (Currently Amended) The hair treatment composition as claimed in Claim 42 wherein the divalent linker group is a group of formula  $-C(O)-C(CH_3)_2-$ .

Claim 7 (Previously Presented) The hair treatment composition as claimed in claim 1 wherein the polymer is soluble in a solvent selected from water, ethanol and mixtures thereof.

Claim 8 (Previously Presented) The hair treatment composition as claimed in claim 1, further comprising a fragrance or perfume.

Claim 9 (Currently Amended) The hair treatment composition as claimed in claim 1 that is in the form of a hair spray, wherein the composition comprises propellant in an amount of from 15% to 50% by weight, based on the total weight of the composition, mousse, tonic or gel.

Claim 10 (Currently Amended) The hair treatment composition as claimed in claim 42 which comprises from 0.1 to 10% by weight of the polymer.

Claim 11 (Previously Presented) The hair treatment composition as claimed in claim 1 further comprising an additional hair styling polymer.

Claim 12 (Currently Amended) The hair treatment composition as claimed in claim 42, further comprising from 0.01% to 7.5% by weight of a surfactant.

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Claim 13 (Currently Amended) The hair treatment composition as claimed in claim 1 that is in the form of mousse, wherein the composition comprises propellant in an amount of from 3% to , further comprising up to 30% by weight, based on the total weight of the composition of a propellant.

Claim 14 (Cancelled)

Claim 15 (Previously Presented) A cosmetic method of treating hair which comprises applying to the hair a hair treatment composition according to claim 1.

Claim 16 (Cancelled)

Claim 17 (Previously Presented) The hair treatment composition according to claim 1 wherein the ABA block copolymer is soluble in a solvent selected from water, ethanol, and mixtures thereof at a level of at least 5% by weight at 25°C.

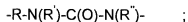
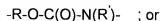
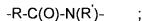
Claim 18 (Previously Presented) The hair treatment composition according to claim 1 wherein the ABA block copolymer is soluble in a solvent selected from water, ethanol, and mixtures thereof at a level of at least 10% by weight at 25°C.

Claim 19 (Previously Presented) The hair treatment composition according to claim 1 wherein the divalent linker group is selected from

-R-C(O)-O- ;

-R-O-C(O)-O- ;

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in which R is a divalent, optionally substituted, linear or branched C<sub>1</sub>-C<sub>18</sub> hydrocarbon radical, and R' and R'' are independently selected from monovalent, optionally substituted, linear or branched C<sub>1-18</sub> hydrocarbon radicals.

Claim 20 (New) A hair treatment composition according to claim 1 wherein the A blocks, which may be the same or different, have a molecular weight in the range of from 1,000 to 500,000 Daltons and the B blocks have from 5 to 500 repeating ethyleneoxy units.

Claim 21 (New) A hair treatment composition according to claim 20 wherein the A blocks, which may be the same or different, have a molecular weight in the range of from 1,000 to 500,000 Daltons and the B blocks have from 5 to 500 repeating ethyleneoxy units.